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26304

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10/16/2007

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,786	07/02/2004	Ralph C. Longworth	SHI 19.251 (310010-0106)	8458

TITLE OF INVENTION: PULSE TUBE COOLING BY CIRCULATION OF BUFFER GAS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	01/16/2008
EXAMINER	ART UNIT	CLASS-SUBCLASS				
DOERRLER, WILLIAM CHARLES	3744	062-600000				

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

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2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

**1Katten Muchin****2Rosenman LLP**

3.

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (prior or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

## (A) NAME OF ASSIGNEE

**SHI-APD Cryogenics, Inc.****Sumitomo Heavy Industries, Ltd.**

## (B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Allentown, PA****Tokyo, Japan**Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:

 Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies \_\_\_\_\_

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## 5. Change in Entity Status (from status indicated above)

 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature / **Martha M. Rumore** Date **10/31/2007**Typed or printed name **Martha M. Rumore**Registration No. **47,046**

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